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1 [A Survey of Energy Efficient Network Protocols for Wireless Network](#)
 Christine E. Jones, Krishna M. Sivalingam, Prathima Agrawal, Jyh Cheng Chi
 September 2001 **Wireless Networks**, Volume 7 Issue 4

Publisher: Kluwer Academic Publishers

 Full text available: [Pdf](#) (271.55 KB)

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Bibliometrics: Downloads (6 Weeks): 48, Downloads (12 Months): 467, Downloads (All Time): 1,234

Wireless networking has witnessed an explosion of interest from consumers and personal communications. As wireless networks become an integral infrastructure, energy ...

Keywords: energy efficient design, low-power design, mobile computing, wireless networks

2 [Very rapid prototyping of wearable computers: a case study of custom](#)

[Asim Smailagic, Daniel P. Siewiorek, Richard Martin, John Stivoric](#)
 June 1997 **DAC '97: Proceedings of the 34th annual Design Automation**

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (121.36 KB)

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The Wearable Computer Project is a testbed integrating research on rapid prototyping of representative examples from six generations of wearable computers, rapid prototyping using custom design versus ...

3 [Seeing, hearing, and touching: putting it all together](#)

[Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensin](#)
 August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

Publisher: ACM [Request Permissions](#)

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4 [Limitations of current Ethernet switch architectures for enhanced flow](#)

[James Aweya, Delfin Y. Montuno, Michel Ouellette](#)

 May 2009 **International Journal of Network Management**, Volume 1

Publisher: John Wiley & Sons, Inc.

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One of the new challenges associated with full-duplex Ethernet is that o
IEEE 802.3x Standard does not specify the switch architecture for imple
MAC Control entity ...

- 5 [Synergistic execution of stream programs on multicores with acceler](#)
 [Abhishek Udupa, R. Govindarajan, Matthew J. Thazhuthaveetil](#)
June 2009 **LCTES '09: Proceedings of the 2009 ACM SIGPLAN/SIGBED c**
for embedded systems

Publisher: ACM  [Request Permissions](#)

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The StreamIt programming model has been proposed to exploit parallel
multicore architectures. The StreamIt graphs describe task, data and pi
accelerators such ...

Keywords: CUDAA, GPU programming, partitioning, software pipelining

Also published in:

June 2009 **SIGPLAN Notices** Volume 44 Issue 7




- 6 [Xunet 2: lessons from an early wide-area ATM testbed](#)
[Charles R. Kalmanek, Srinivasan Keshav, William T. Marshall, Samuel P. M](#)
February 1997 **IEEE/ ACM Transactions on Networking (TON)** , Volume 5
Publisher: IEEE Press

Full text available:  [Pdf](#) (231.69 KB)




Additional Information: [full citation](#), [ref](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 13, Downloa




Keywords: asynchronous transfer mode, available bit rate, constant bi

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 April 2009 Communications of the ACM

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13 [Design and analysis of low-power access protocols for wireless and](#)

[Krishna M. Sivalingam, Jyh-Cheng Chen, Prathima Agrawal, Mani B. Srivas](#)

January 2000 **Wireless Networks** , Volume 6 Issue 1


Publisher: Kluwer Academic Publishers

Full text available:  Pdf (233.13 KB) Additional Information: [full citation](#), [ab:](#)



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This paper describes the design and analysis of a low‐power medi wireless/mobile ATM networks. The protocol – denoted EC‐MAC & control) – is ...

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Bibliometrics: Downloads (6 Weeks): 409, Downloads (12 Months): 1627, Dov

15 [Proceedings of the conference on Design, automation and test in Eu](#)

 Donatella Sciuto

March 2008 **DATE '08:** Proceedings of the conference on Design, automa

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)



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January 2010 Communications of the ACM

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18 [DIRAC: a software-based wireless router system](#)

 Petros Zerfos, Gary Zhong, Jerry Cheng, Haiyun Luo, Songwu Lu, Jefferey
September 2003 **MobiCom '03**: Proceedings of the 9th annual international
networking

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Routers are expected to play an important role in the IP-based wireless techniques have been proposed to improve wireless network performan and host mobility, ...



Keywords: distributed router architecture, wireless network

19 [Self](#)

 David Ungar, Randall B. Smith

June 2007 **HOPL III**: Proceedings of the third ACM SIGPLAN conference

Publisher: ACM  [Request Permissions](#)


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The years 1985 through 1995 saw the birth and development of the lan authors at Xerox PARC, through first implementations by Ungar and his then with a larger team ...

Keywords: Self, adaptive optimization, cartoon animation, dynamic lar programming, history of programming languages, morphic, object-orier prototype-based programming language, virtual machine

20 [Communications of the ACM: Volume 52 Issue 8](#)

 August 2009 Communications of the ACM

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